



RCE/1742  
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PTO/SB/30 (09-03)

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<b>Request For Continued Examination (RCE) Transmittal</b>  Address to: MS RCE Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450	<b>Application Number</b>	10/087,786-Conf. #1545
	<b>Filing Date</b>	March 5, 2002
	<b>First Named Inventor</b>	Hidekiyo Takaoka
	<b>Art Unit</b>	1742
	<b>Examiner Name</b>	S. Ip
	<b>Attorney Docket Number</b>	M1071.1712/P1712

**This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application.**

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application.

1. **Submission required under 37 CFR 1.114** Note: If the RCE is proper, any previously filed unentered amendments and amendments enclosed with the RCE will be entered in the order in which they were filed unless applicant instructs otherwise. If applicant does not wish to have any previously filed unentered amendment(s) entered, applicant must request non-entry of such amendment(s).
- a. ☐ Previously submitted. If a final Office action is outstanding, any amendments filed after the final Office action may be considered as a submission even if this box is not checked.
- i. ☒ Consider the arguments in the Amendment previously filed on May 6, 2004
- ii. ☐ Other \_\_\_\_\_
- b. ☒ Enclosed
- i. ☒ Submission
- iii. ☐ Information Disclosure Statement (IDS)
- ii. ☐ Affidavit(s)/Declaration(s)
- iv. ☐ Other \_\_\_\_\_
2. **Miscellaneous**
- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR 1.103(c) for a period of \_\_\_\_\_ months. (Period of suspension shall not exceed 3 months; Fee under 37 CFR 1.17(i) required)
- b. ☐ Other \_\_\_\_\_
3. **Fees** The RCE fee under 37 CFR 1.17(e) is required by 37 CFR 1.114 when the RCE is filed.
- a. ☐ The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. \_\_\_\_\_
- i. ☒ RCE fee required under 37 CFR 1.17(e)
- ii. ☒ Extension of time fee (37 CFR 1.136 and 1.17)
- iii. ☐ Other \_\_\_\_\_
- b. ☐ Check in the amount of \$ \_\_\_\_\_ enclosed
- c. ☒ Payment by credit card (Form PTO-2038 enclosed)

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED			
Name (Print/Type)	Edward A. Meilman	Registration No. (Attorney/Agent)	24,735
Signature	<i>Edward A. Meilman</i>	Date	June 17, 2004

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Docket No.: M1071.1712/P1712  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Hidekiyo Takaoka et al.

Application No.: 10/087,786

Art Unit: 1742

Filed: March 5, 2002

Examiner: S. Ip

For: LEAD FREE SOLDER AND SOLDERED  
ARTICLE

SUBMISSION

MS RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

INTRODUCTORY COMMENTS

This is a submission accompanying an RCE.

Please enter the reply filed on May 6, 2004. The Examiner is respectfully requested to reconsider the arguments presented therein in light of the following two additional considerations.

Attached hereto is a copy of Japanese published patent application No. 01-130898, published on the 23 of May 1989. Table 1 shows that the joining temperature of tin-based brazing filler materials of 500 to 800°C. This teaching is particularly relevant to dependent claim 9.

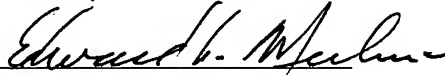
Nothing in the present record teaches or suggests that the lead-free solder claimed can have a soldering temperature of 250°C to 350°C.

The Advisory Action indicates that the applicant's argument with respect to the nickel in Tanaka has been given no patentable weight because it is an argument without submission of factual data. It is respectfully submitted that Tanaka teaches that the nickel presence is essential at the top of column 3 of this reference. It is respectfully submitted that this teaching is sufficient and there is no need to prove what the reference states is correct.

The early further consideration and allowance of this application is respectfully solicited.

Dated: June 17, 2004

Respectfully submitted,

By 

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Registration No.: 24,735

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